# INTERCOLLEGIATE BROADCASTING SYSTEM BULLETIN

Volume III - Issue I October, 1942


## IBS-FM Network

By Louis M. Bloch, Jr.
Business Manager

The Intercollegiate Broadcasting System has made plans for the operation of its own network. As soon as commercial sponsorship is secured, the IBS will originate in New York its own shows directed to its own audience.

Arrangements have been made to originate programs at the Muzak FM outlet, W47NY New York. Relay will be made to W65H Hartford; W43B Boston; W39B Mt. Washington, N.H. College stations which fall within the coverage area of the above FM stations have installed Frequency Modulation translators to pick up the FM signal, which would then be broadcast to the campuses by amplitude modulation. Colleges included in the network at the present time are: Princeton, Columbia, Yale, Wesleyan, U. of Connecticut, R. I. State, Brown, Harvard, Williams, Union and Hamilton. We hope to send recordings of network shows to other IBS members throught the country.

At the present time IBS is offering four outstanding shows for sponsorship. The first, "Cavalcade of Swing" is a half hour production tracing the musical development of a different swing. "Cavalcade of Swing" is produced by Edward Costikyan of CURC, Columbia University.

A program of outstanding merit soon to be available for sponsorship is the weekly production of a well-known opera. Among notable musicians who have shown interest in the project are the Stage Director of the Metropolitan and the former Director of the Hamburg Opera Co. Famous operas will be condensed to hour length and given in English.

(cont'd)

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Editor - Naomi Ross Fine

A bi-weekly Intercollegiate Sports Review is being offered by David Perry of Brooklyn College - a recent addition to IBS. Correspondents located in the country's major colleges will keep the IBS posted on the most recent sports scoops which will be presented over the collegiate network in inimitable Perry style.

"You, the War, and the Future" is a program constructed in cooperation with the Office of War Information. Its purpose will be to aid the student in solving problems which arise out of the present world conflict. The program will take the form of a series of lectures and will be presented by an eminent psychologist. The series will be under the direction of Leslie Katz of the Joseph Katz Advertising Agency, who is now working for IBS. The series will be available for an institutional sponsor.

Recently, the IBS invited the University of Bombay, India, to become an Affiliate member. Plans are now being formulated to initiate the exchange of broadcasts between the students of IBS member colleges and those of India. The first broadcast which will originate in New York, will probably be carried by the FM network for rebroadcast to IBS member stations. The program will be short-waved to India by station WRUL, Boston with Pearl Buck as the principal speaker.

FM holds vast possibilities for college radio. These cannot be fully realized, however, until after the war because of the lack of materials and manpower.

After the war, college radio and FM will move forward together.

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## NEWS OF THE COLLEGES

### Antioch

The boys on the technical staff have been concentrating their efforts on improving reception to the two main dormitories, and as a result, the ABS is heard as clearly as most of the local stations. They are broadcasting, at present, on a three hour daily schedule, and hope to increase it to

five in the near future. ABS has been broadcasting all summer and has attempted to serve the college community to the best of its ability.

Alabama

Latest to be included among the colleges now accepting advertising is the BAMA Radio Network. Roy Flynn, former President of BRN, has left school, and the new president is Jack R. Farrell. The contest to determine the most talented undergrad radio artist at Alabama was conducted over BRN. The prize of $200, the trip to New York, and the appearance on the Fred Allen show went to Tom McEniry.

Brown

Personnel changes here:
William Saunders - President
George Walker - Program Director
Charles Scovil - Productions Manager
Thomas J. Luby - Technical Personnel Manager
Sonia Brown - Publicity Director
Robert Breeding - Music

The new staff took office on March 25, instituting many changes and improvements. A weekly paper, "Forecast" was published on March 30, and will appear weekly for the rest of the year. The paper contains a list of the daily broadcasts, a separate article on the Pembroke programs, feature stories about programs, and a few advertisements. "Forecast" is distributed gratis to all students at Brown and Pembroke and appears on Sunday nights.

Connecticut

With a new schedule of twenty hours weekly on the air, the Husky Network re-christened itself -- now known as the University of Connecticut Broadcasting System, or UCBS.

Personnel includes:
Warren Dion - President
Leonard Zlowe - National Advertising Manager
Arthur Martini - Treasurer and Vice-President
Walter Hayter - Program Manager
Franklyn Matteson - Chief Engineer
Lois Johnson - Publicity Director

Columbia

CURC is now on an 18-hour daily schedule. The station has

also re-vamped its schedule on the basis of an IBS survey of the most popular programs and listening hours: popular music in the late afternoon and early evening; variety, including drama and special events in the evening; uninterrupted classical music in the late evening hours. "Cavalcade of Blues", a musical history of the development of the blues, and "Columbia Poetry" which features poetry written by the students and faculty, are two program innovations.

Programs covered by the Columbia station during the past few months have included the Columbia Scholastic Press Association Convention and the Philadelphia Philharmonic Orchestra's Friday afternoon concerts.

Cornell

In April, CRG made its yearly personnel changes:

| | |
|---|---|
| Peter Winokur, Jr. | - President |
| John A. MacDougal | - Vice-President and Program Director |
| Mary C. Schreiber | - Secretary |
| Donald C. Cross | - Treasurer and Business Manager |
| Richard Holman | - Publicity |
| Richard C. Koch | - Chief Engineer |

Since then, Chuck Martin became President for the summer session...then went into the Navy. John MacDougal is his successor.

CRG makes use of the following types of work-sheets to keep the operation of their station running smoothly, and they will be glad to supply any details upon request: daily work-sheet with all personnel for each program, production sheet, trouble sheet, and program log. Cornell also puts out its own newspaper called "Cornell Radio Guild Flashes of the Week". One of CRG's more popular new programs has been the "Forward Trend", a news dramatization on the order of the "March of Time".

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IBS ITEM ANNIVERSARY DEPARTMENT

BROWN NETWORK....Now in its sixth year!

CURC.....February 24, 1942 completed Columbia's first year of broadcasting.

KNOX.....Celebrated completion of 211 hours on the air on April 22, 1942

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Dartmouth

DBS has presented a variety of programs featuring students

and professors from all over the campus. "Meet the Professor", a weekly informal interview with members of the faculty, attempts to break down the barrier between teachers and students, by bringing out the professor's extra-curricular interests, college background, and views on everyday things. "Campus Roundtable" brings professors and students together once each week for a discussion of campus and national affairs. DBS covered a description of Hanover's first black-out, and a broadcast of Robert Frost's lecture from Webster Hall.

A program innovation at Dartmouth is their "Bed Pan Alley", a show directed to the residents of the infirmary. They tell us that many of the requests used on the program come from the nurses. Ah, there.

Georgetown

Personnel changes:
Martin Garvey - President
James Fleming - Business Manager and Vice-President
Eugene McElroy- Technical Engineer

With the change in leadership, a change in policy came to GBS. Many new features have been added, and noteworthy among these are a number of "live" shows. The new schedule offers variety shows and musical programs heretofore unheard over the campus station. GBS is now broadcasting over a new frequency, 580 kc. Power has been cut and the radiating system has been altered, wiring the Copley booster station through the electric light circuit, and the remainder of the campus through the heating system. These changes were made necessary by an FCC ruling which would have required GBS to go off the air. Eugene McElroy rose to the occasion and made it possible for GBS to continue in operation.

Hamilton

Two programs which have had great popularity this summer are "Down in the Crypt" - semi-dramatized readings of horror, mystery or ghost stories, which incidentally present a field-day for the sound-effects man, and "This America", a dramatized weekly editorial on some problem of the moment in connection with the war effort. Mr. Wentworth D. Fling, Director of the Laboratory at Hamilton, tells us that he has a very simple but effective talk-back circuit for use on remotes, if anyone is interested.

Harvard

A program innovation created by the Crimson Network was

the opera without singing presented by their Radio Workshop. It featured a half-hour musical score composed by James Lawlor '44 which was integrated with spoken lines to produce an opera-like effect. Bob Kieve and Dick Kleeman have been very active in work for the Writer's War Board, an organization of prominent writers who have gotten together to see if they cannot write more interesting scripts for the war effort than those which have been released by the government up to this time.

Knox

The Siwash Broadcasting System will return to the air with greatly improved facilities this September. Increased clarity and added coverage have been achieved by the overhauling and addition of equipment during the summer. Most interesting prospect for WKC's second year of operation is the fact that WGIL, Galesburg commercial station, will regularly carry a part of the college schedule.

Important and popular program developed at WKC during its first year in operation is "Shades of Latin America". Featuring Tony Lulli, Knox exchange student from Peru, the show makes an imaginary trip each week to a different South American city where Tony entertains a boy and girl from Knox as his guests. A fast-moving script using Xavier Cugat records for atmosphere is given a genuine flavor by Lulli's colorful accent.

Most interesting single broadcast of last year was the appearance of Rockwell Kent, famous artist and adventurer, as one of the guests on the WKC ROUND TABLE. Kent and a panel of students discussed the place of college youth in a world at war. The broadcast brought more campus response than that produced by any other one program during the year.

Pembroke

All afternoon broadcasts at the Brown Network have been placed in charge of Pembroke girls. Girl staff announcers have complete charge of the studios. There are two technicians, Ruth Weed, and Sonia Brown. "Live talent" shows written by Pembrokers are also produced in the afternoon periods. These include "Pembroke Mysteries", "Betty Co-ed", "Scherazade" - short stories with musical back-ground - and adaptations of A. A. Milne's "Winnie-the-Pooh".

Princeton

WPRU simplified its personnel situation in May with the result that the staff now consists of four members in the main:

Warren Fales - Program Director
Addison R. Taylor - Business Manager
Lloyd H. Shaffer - Technical Director
Richard B. Thomas - Director of Music

One of WPRU's more popular programs this spring has been "Words and Music" -- readings of the works of great English and American poets, with a little lighter material such as Ogden Nash, thrown in now and then. In between readings, classical music of the lighter type was played. Another interesting program idea was "World News Review" which was written and presented by three members of the senior class, majoring in Politics, Economics, and Public Affairs respectively.

Rhode Island State

The staff feels that the RISC Network has had an unusually successful year. Many technical improvements have been made, and the Program Department has extended both the type and quality of broadcasts. Some innovations at the Rhode Island State College Station have been:

Broadcast of the latest popular dance music for three hours on Friday nights.
Broadcasting of all home basketball games.
Roving reporter interviews in Lippitt Hall.
Publication of a weekly schedule of programs to be distributed to all fraternities and sororities.

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IBS ITEM — ADDITIONS

Trial Members

Massachusetts State
Syracuse University
U. of Michigan
Brooklyn College
Haverford College
U. of Maryland
U. of Mississippi
Ohio University
U. of North Carolina
U. of South Carolina

Class B Members

Wellesley College
Ohio State University

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Union

Union Broadcasting System is now known as the Union College Radio Service - UCRS. It has received from General Electric at Schenectady a Frequency Modulation receiver to be used

in rebroadcasting the programs of W2XOY, GE F-M station in Schenectady. In this way, UCRS's original schedule of about 1½ hours daily was supplemented by an extra four hours daily of F-M programs. Mike Mills, former President of the Union station has graduated, and his successor is Paul F. Yergin, who has been on the station for some time in a technical capacity.

Wesleyan

WES has undergone a major re-organization. A modern transmitter has been installed to insure better coverage of the campus and better reception. "Argus Sports Review" is a new Monday and Friday program on which Jack Lowndes "43 covers all Cardinal athletic events for the past and succeeding weeks. On Tuesday evenings, Professor Overstreet presented his weekly analysis of the world's news. Close cooperation between WES and Wesleyan's Music Department has been achieved. On Monday, Wednesday and Friday afternoons, from 3:00 to 4:00, records for classes in Music are played.

Williams

Among prominent and popular programs in the spring have been: "Campus View Points", a round table discussion of campus problems and topics by leading campus figures and faculty best fitted to discuss the topic under discussion; Inter-fraternity quiz and singing contests; "Top Tunes on Campus", a local Hit Parade based on telephone calls and the local juke box favorites.

Wellesley

First large women's college to set up its own broadcasting system is Wellesley College. Station WBS is now transmitting programs on 730 kc. to the college dormitories and faculty homes. Prime mover and organizer of WBS and Chairman for the past year was Rosamund Wilfley '42. Faculty adviser and Technical Consultant is Miss Louise S. McDowell, Professor of Physics. Work behind the scenes at Wellesley's radio station is in the hands of thirteen small committees, each of which controls some aspect of work on the station. It is the job of the unit directors to coordinate the efforts of these committees into unified broadcasts.

Opening day ceremonies were impressive. At 5:00 PM on April 20th, Rosamund Wilfley introduced President Mildred McAfee (who has since become Commander of the WAVES) who gave a short address on the value of a college radio system.

Following the speech, WBS presented sample types of programs to be heard over the station at future dates.

Radio at Wellesley will aim to be a medium of expression for every organization and group on the campus which has something to offer the rest of the college, according to Joan Davis, next year's Chairman. The summer was spent in planning programs for the coming year, and in considering problems of organization to enable the Wellesley Broadcasting System to go ahead with fresh impetus.

The Wellesley College News put out an "Extra" completely devoted to WBS on inauguration day. Congratulations to the station, its staff, and to the newspaper for their coordination of effort.

Yale

WOCD broadcast all home baseball games during the past year. The station feels that the programs have increased student interest in the team and players and that such publicity increases attendance. The broadcasts were sent by direct wire from the press box to the WOCD switch-board, and then broadcast to the campus in the regular fashion.

"Prom Parade", first live hour-length variety show was presented by WOCD, from the Chi Psi fraternity house. Program featured the music of Bob Alpert and the Yale Collegians, the finals of the Prom Piano Contest, and numerous skits and antics starring Dave Boffey and George Hill. The program was written by Alex Tellis, and directed by Ralph Levy. The broadcast was made with a studio audience. One of WOCD's more popular series of programs has been "A Murder Was Committed". Conducted as a Crime Quiz, it offered contestants a chance to win a prize of $5.00.

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IBS ITEMS GUESTS AT IBS OFFICES IN RECENT MONTHS

| | |
|---|---|
| Bill Mitchell.....Dartmouth | Connie Stone.....Cornell |
| Henry Bissex.....Hamilton | George Stammler...North Carolina |
| Roy Flynn.....Alabama | Addison Taylor....Princeton |
| Richard Kaplan.....Antioch | Jim Fleming.....Georgetown |
| George Walker.....Brown | Diana Hanson.....Columbia |

Carlos Jaramillo...University of San Marcos, Lima, Peru

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WEDDING BELLS

Jean MacInnes, IBS Executive Secretary — to — Larry Lader, IBS Pan-American Department

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## APPOINTMENTS

Clemment Arnold...Assistant to Technical Manager David Borst
25 Lafette Street, Schenectady, New York

Saul Belilove.....Assistant to Technical Manager
2126 Bancroft Way, Berkeley, Cal.

Gordon McCouch....Assistant to Technical Manager

Leo J. Chak.....IBS Mid-Western Field Representative at
Ohio State University.

Leslie Katz.....Assistant to Business Manager Louis Bloch

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## Are You Wondering?

By Dorothy Unruh
CURC, Columbia University

How many times have you asked yourself the question: What do others think about college radio.

In the past, a great many newspapers and magazines have devoted space to us. The Saturday Evening Post, N. Y. Times, Newsweek, Mademoiselle, Broadcasting Magazine, the FREC Bulletins, and newspapers all over the country have featured picture and story spreads about IBS. None have stressed the personal angle, and none have given the opinions of a prominent radio personality on the future possibilities of IBS.

I had the opportunity of speaking to Mr. Francis McCall, news editor of NBC, the other day. Mr. McCall was very interested in the part college radio is playing on the campus, in the war, and in the lives of the students who participate in this important activity.

Mr. McCall's opinion of college broadcasting was particularly gratifying. He felt that campus radio is not to be thought of as just an extra-curricular activity, but as a serious preparation for future careers. He pointed out, for example, the advantages of learning at first hand the entire set-up of a station, of writing scripts of all types, and of announcing programs of varied nature. Mr. McCall thought that college radio was certainly more than just a "terrific idea", and that it is an asset to any college as well as to its students.

And what of the opportunities in radio? At the present time, things are in such a turmoil that Mr. McCall felt it would be difficult to be specific. But he said that great things would be made possible through the college stations, and at their New York headquarters, the Intercollegiate Broadcasting System. In closing the brief interview, he extended the best of luck to all the people who are giving so much time, energy, and talent to the college stations.

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IBS ITEM RELEASES AND PUBLICITY OF LAST FEW MONTHS

Radio Daily.....Broadcasting Magazine....N.Y. Herald Tribune
FREC Bulletins..New York Times.....Mademoiselle
Electronics.....Communications.....Washington Star

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IBS COLLEGES IN THE WAR

CURC: has made its services available to the Civilian Defense Council of Columbia University, to aid in any way in safeguarding the campus and its residents. CURC has been conducting daily radio classes in Morse Code for the benefit of students interested in civilian defense or Army radio work. Besides serving as a medium of instruction, it will test a new system of teaching code currently being developed by Professor Fred S. Keller of the Psychology Dep't. in conjunction with the Army Signal Corps. This new system differs from the usual one in that it teaches the mastery of seven letters at one time instead of one. Students will be able to receive code at the rate of ten words a minute after taking only ten hours of instruction.

WBS: Wellesley Broadcasting System is serving to broadcast air-raid alarms and to prepare students to take over men's jobs in commercial radio -- should the need arise during the war.

WOCD: offers three languages on the air every Sunday night from 7:30 to 9:00 PM. A half-hour each is devoted to French, Spanish and German. WOCD has lengthened its Morse Code instruction classes. This daily program was started by WOCD as its contribution to the preparedness program, and also to help enable the student to pass the minimum Army and Navy code requirements.

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DBS: During the summer semester DBS has broadcast Morse Code practice five nights each week for the benefit of undergraduates in the Civilian Pilot Training Course, in various branches of the Naval Reserve, or in training for such branches of the Army as the Signal Corps.

The Dartmouth Broadcasting System brought to its listeners one of the most complete news coverages of the first 48 hours of the war with Japan. It rebroadcast every major address of President Roosevelt.

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IBS ITEM GUESTS AT COLLEGE STATIONS

CURC:.....Johnny Messner, Jimmy Shields, Hal Leroy, the lions in the Bronx Zoo.

BROWN.....Ruth Hussey - former Pembroke girl.

YALE.....Helen O'Connell - Jimmy Dorsey vocalist.

KNOX.....Rockwell Kent.

DARTMOUTH....Nancy Carroll.

HARVARD.....Mrs. Franklin D. Roosevelt

WMS.....Lowell Thomas, Johnny Long, Russ Morgan

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First Lady Speaks Over Crimson Network

Mrs. Franklin D. Roosevelt spoke over the Crimson Network on May 12th. It was the first time she had spoken to students over a campus radio station.

Mrs. Roosevelt advised the students to stay in college and school to get training for "whatever job you are going to do", and if they study and prepare themselves, she added, they will be more valuable to our country, because trained minds and trained people are needed as they never were before.

"We will have to face more difficult problems than have ever come up before", Mrs. Roosevelt stated, "But we must find a method to stay at peace, or decide that our civilization will come to an end".

"We have learned so much about destruction, that we can't

have a war every 20 years. The basis of the new world must be a system of world economics and racial cooperation. The world of the future must take into consideration not only what the United States wants, but what the rest of the world needs."

"And we must put aside all thought of the White Man's Burden", Mrs. Roosevelt added. "You young people will have to lea the way, since it is hard for older folks to put away prejudices. We will have either cooperation, or wars on a racial basis.

Mrs. Roosevelt warned that "You have no right to continue your training unless you are putting everything you have into preparing yourselves to take the full share of the burden. The world is going through the worst crisis we have known anything about, and it would be a terrible thing to know that you weren't doing your full share."

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IBS ITEM MORE GUESTS AT IBS OFFICES

| | | | |
|---|---|---|---|
| Carla Small..... | Cornell | Stanley Sandburg..... | Dartmouth |
| Chuck Martin..... | Cornell | Warren Fales..... | Princeton |
| Myron Mills..... | Union | Jean Baer..... | Cornell |
| Bob Kieve..... | Harvard | Judith Horn..... | Columbia |
| Dick Kleeman..... | Harvard | Robert J. Ruben..... | Columbia |
| Ken Elgin..... | Yale | Dorothy Unruh..... | Columbia |
| Wentworth D. Fling... | Hamilton | Ed Costikyan..... | Columbia |
| Ralph Hunter..... | Wesleyan | Peter Winokur..... | Cornell |
| | | John Atkinson.... | Wesleyan |

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Trip to the West

by Mrs. Lawrence Lader

With the spirit of an early pioneer (from New York) I made the trip to Columbus, Ohio, where the Institute for Education by Radio was holding its Thirteenth Annual Meeting. Columbus is also the home of Ohio State University, where a great deal of research is conducted on the uses of radio in education and vice-versa. Once a year the university gathers from all over the country radio-minded educators and educational broadcasters, plus government radio department men, specialists and "interested people" to discuss the more serious side of broadcasting.

This convention was a lively one, because each meeting was

a battleground for discussion on how radio can contribute most effectively to the country's war program. The general feeling, I think, was that a good job is being done now, but that more must be done. Several critics called for a more concerted drive by radio in the war of ideas - others maintained that the suggestions and occasional programs now supplied to the broadcasters by Federal agencies (such as Army, Navy, WPB and OWI Radio Departments), were enough, and that on the whole the radio industry has been giving admirable cooperation. It was generally agreed that each station has its own war problems, and is responsible for dealing with them on its own initiative.

Perhaps the high spot of the convention was reached when Norman Corwin and Arch Oboler urged radio to bring the war home to the people with greater understanding and emotional force. A great many representatives of local stations explained their methods of doing this: - by building programs around their own community's war problems and activity, and the effects of such things as rationing, production needs, the draft, etc. on their own specific listeners. For instance, I heard a recording of a program written and produced at a local station especially for the workers in one of the big war production plants nearby - a program that couldn't have helped making those people feel that every job they did brought us a step nearer to victory.

After all, appealing to a local, specific and eager audience of its own has been IBS' theme song all along. I wonder how much responsibility you feel toward that audience, program managers, and if so, how have your programs changed in the last few months?

The Baker Broadcasting System (BBS) at Ohio State U - so called because it's in Baker Hall, a men's dorm which holds about 550 - has been operating since February.

Earle McGill, Eric Barnouw (you met them at the convention), Robert Sailstad of Hampton Institute, and I were taken on a tour of the Ohio State station by Leo Chak, BBS' Director of Public Relations. Leo's been with the station almost since its inception a year ago, and has another year of college. He said that the staff had first heard about wired-radio through a news release, and that they started work right away. Unlike their fellor stations, BBS is entirely within one dormitory so far, and they had a bit of trouble figuring out how to make it work. Seems there's an elevator shaft right in the middle of the building, and to get around it they ran wires into some copper roofing. As a consequence, their signal was picked up some ten miles away. They've been OK'd now, though, by the FCC, and use an intra-dorm telephone system instead of wiring.

Leo took us to the studio in the cellar, and we were all greatly impressed. The University paid for the remodelling necessary, but the students built all the equipment themselves. There's a neat little control room with record rack in easy reach at the right, and a large console on the left for re-broadcasting. They are especially proud of a home-made preamp box and 540 feet of cable which they use on frequency remotes. When permission comes through, they're going to run wires to the other campus dorms too...and they think it will be soon.

We were still asking questions when they went on the air with a familiar IBS station identification, and some new hit records. Clair Tettemer, station manager and founder, joined us and helped with the explanations.

BBS is on the air from 5:00 to 9:00 P.M. daily, the best listening hours for Baker. The men on the staff are Baker residents but sometimes girls and faculty members appear on their programs. BBS players produce original dramas. Apparently there's no lack of talent, because in the 9:00 to 11:00 A.M. audition period people are always coming to them with new ideas. They usually say "go ahead and put it on", which they think is better than having separate writing and producing departments.

BBS aims are three: to promote dormitory spirit; to put on programs of interest when the local stations are at their worst; and to be a laboratory for new ideas.

When I asked them what they wanted from IBS they said, "more publications, scripts, recordings, a full-fledged membership, and an invitation to the next convention."

We've taken care of the membership, and will take care of the invitation to the next convention. As for the scripts and recordings, well, what about it?

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IBS ITEM STAFF-MEMBERS ON MAJOR NETWORKS

DOROTHY UNRUH.....In an interview about her work at CURC and about IBS on Nancy Craig's program - NBC.

GEORGE WALKER.....In an interview about IBS on Bessy Beatty's program - Mutual.

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## EDITORIAL PAGE

This issue of the Bulletin has attempted to cover the happenings of the past seven months. We are anxious to hear your boos and bouquets. In the next issue, we will print as many letters of criticism as we have room for. So let us hear what you think.

## TWO FOR THE SHOW

From relative certainties to complete uncertainties... that's the abrupt change that's come about since we last spoke to you through these pages.

It's funny when you remember how it used to be. You knew, when you entered college that the chances were you'd finish. You knew when you got a job that the boss willing and you willing, you'd stay a fairly long time.

Now, all of a sudden, you know the warmth of home on leave, the thrill of looking into a broad sky at the sudden whirr of motors and saying that it's "one of ours". You taste the luxury of a night's unbroken sleep.

All because we've been challenged. Challenged to justify our way of life, our beliefs, and our actions. It's up to us to give that justification in whatever job we're doing, in whichever way we are contributing to the war effort.

The gauntlet's been flung down, friends. Is there anyone among us here present who isn't going to pick it up?

N.R.F.

## NOTE

In order to make the IBS script exchange a reality, will you send in to this office, scripts which have been successful on your station. We have received many requests for scripts and should like to be able to give this service.

If you comply, you will be giving considerable help to fellow members.

INTERCOLLEGIATE BROADCASTING SYSTEM BULLETIN

Washington, D. C.
September 19, 1942

NEWS-LETTER TO THE IBS MEMBER STATIONS

By George Abraham
Chairman, Executive Committee

During the past few months there have been many new developments relative to the college stations and carrier-current systems in general. It is our purpose here to discuss briefly some of the more significant considerations.

The government and wired-radio.

The Federal Communications Commission is now studying carrier-current systems, including wired-radio stations in the colleges, preliminary to further regulation and licensing. It has been felt that the existing provisions governing remote control apparatus, oscillators, etc. should no longer be extended to cover carrier-current systems, but that separate legislation should be set up for this method of transmission. But in order that all regulations be permanent, wherever possible the legal and technical aspects of the problem are being studied first, so as to ascertain the present and postwar developments likely to be encountered. The IBS is in close touch with this work and is conducting tests in the Washington area for the FCC, OCD, and the Army.

This past July, the Army took over supervision of the installation and operation of carrier-current systems in the camps here and overseas. Previously this matter had been directed by the USO which supervised several installations. The new Army systems are similar to those devised by the college stations; transmissions are confined to the broadcast band. Programs will be devoted to the education and entertainment of Army personnel. But the immediate problem is the standardization, production, and installation of equipment.

The Office of Civilian Defense, in making a study of the communication systems best adapted for civilian defense during emergency conditions, has highly commended the application of wired-radio in a recent report. Tests conducted over 4000 volt mains indicated that the following requirements were satisfied:

1. Radiation from the lines shall be of no directive value to enemy raiders.
2. The signal at all terminal locations must be dependable, adequate and must not be affected by changing nodes, power loads, or other line characteristics.

3. The substation equipment for generating and superimposing the carrier must be of reasonable power and rating and must entail a minimum of critical materials.

4. The signal must of be capable of central point control and must not be unduly subject to sabotage or jamming or false signals.

Lately, tests have been conducted to determine the propagation characteristics as a function of power, frequency, and types of lines. It has been found that considerable coverage may be attained with low power when frequencies less than 200 kc. are used on either open or underground lines.

Pertaining to the College Networks

Early this spring at a meeting of the IBS Executive Committee it was decided that cooperation between IBS and frequency modulation stations throughout the country would be of mutual benefit for several reasons. The audiences of both have much in common. The program services of each would be of help to the other. FM coverage, which would otherwise remain essentially constant for the duration because of the curtailment of receiver production due to the war, could be greatly increased by rebroadcast via the college networks by amplitude modulation. FM is well adapted to rebroadcast by wired-radio without impairing fidelity.

Wired-radio has served as an excellent training ground for many of its alumnae who have since taken their places in commercial radio, industry, and the government. Recently the Army inquired as to the availability of IBS' six best engineers for positions having to do with the installation of the Army's new carrier-current systems. To date the IBS has only partially been able to fulfill this need as nearly all of its engineering alumnae are otherwise engaged in the war effort.

Possible Future Outgrowths of College Radio - Post War Considerations.

As evidenced by the use of carrier-current systems both by the college stations during the past six years, and by departments in the government more recently, one of its most successful applications has been as a medium for community coverage and interest.

Today 40% of the country is not in the primary coverage of any long-wave station. Wired-wireless, because of its low expense and simplicity of operation, might easily satisfy the needs of many such communities. Upward of 50 stations could operate simultaneously on the broadcast band alone for any given locality without interaction with similar systems nearby.

It has been shown by the colleges that wired-wireless is well adapted to network operation by any of several methods: a) wire lines; b) frequency modulation rebroadcast; c) amplitude modulation rebroadcast by short or long-wave. Carrier-current systems if adequately supervised, are an excellent means of furthering local education, news, and public service.

In addition to the college stations, post war extension of this method of broadcasting may well open this field to other groups. Installations in hospitals, apartment houses, and factories have been attempted already. Licenses, if issued to municipal governments or townships, would serve two primary functions: a) broadcasting to the people; b) communications for the fire and police departments, etc. on the low frequencies. In such a way, it would be possible to democratize radio, i.e. to put the control of programs and policy in the hands of the people who are going to listen to it in a given locality rather than to outside groups.

Continued and expanded use of wired-radio by the federal government may be expected in the future. There has even been consideration by the government of the inaugurating and operating of its own stations. Broadcasts from such stations would be on subjects of public interest and education.

Then, a method for the allocation of broadcast frequencies to responsible groups would have to be devised. A balance between the number of commercial and educational stations might be necessary. Numerous other considerations might also make regulation and licensing necessary. These are only a few of the problems which are confronting the FCC and the public in regard to this aspect of communications.

Today, more than ever before, the function of radio in and by the colleges should play an increasingly important role. Further short-wave broadcasts by students in this country to similar groups abroad will serve to reduce international barriers and will aid in post war planning and reconstruction.

Not only by serving as a training ground for individual students will the college stations utilize their fullest capacities. But by developing further the science of communications, and by using such communications toward constructive ends will the college networks make their most valuable contribution.